

JP 49-102,647

[Claims only, as requested]

---

Translated from Japanese by the Ralph McElroy Co., Custom Division  
P.O. Box 4828, Austin, Texas 78765 USA

Code: 282-54105

## JAPANESE PATENT OFFICE

## PATENT JOURNAL

KOKAI PATENT APPLICATION NO. SHO 49[1974]-102647

Japanese Cl.:	16 C86 16 E311 16 E41 30 B0 30 B4 30 B5 13(9)G1 13(9)G411
Sequence Nos. for Office Use:	6742 43 7192 44 6224 44 7043 44 7043 44 7043 44 6518 4A 6518 4A
Application No.:	Sho 48[1973]-17417
Application Date:	February 14, 1973
Publication Date:	September 27, 1974
No. of Inventions:	(Total of 10 pages)
Examination Request:	Not requested

METHOD FOR THE MANUFACTURE OF PROSTAGLANDIN COMPOUNDS

## Inventors:

Masaki Hayashi  
32-408 Nanpeidai  
Takatsuki, Osaka

Hajimu Mitake  
379 Oaza Higashi  
Suita, Osaka

Yoshinobu Arai  
6-13-28 Honmachi  
Toyonaka, Osaka

Fusako Tanouchi  
37-4 Towacho  
Takatsuki, Osaka

## Applicant:

Ono Yakuhin Kogyo K.K.  
2-14 Toshomachi  
Higashiku, Osaka  
Osaka

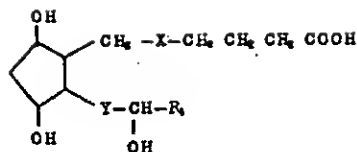
## Agents:

Akira Akata, patent  
attorney

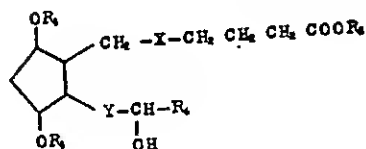
[Amendments have been incorporated into the text of the  
translation]

Claim

Method for the manufacture of prostaglandin compounds  
represented by the general formula,



from alicyclic esters of the general formula,



by hydrolysis under acidic and also basic conditions in any order, wherein, in the general formulas,  $R_1$  represents 2-tetrahydropyranyl, 2-tetrahydrofuranyl, or a 1-ethoxyethyl group;  $R_2$  represents an acyl group;  $R_3$  represents a lower alkyl group;  $R_4$  represents a n-pentyl, n-hexyl, or n-heptyl group; X and Y represent  $-\text{CH}_2\text{CH}_2-$  or  $-\text{CH}=\text{CH}-$ .